

METHOD AND APPARATUS FOR AGGREGATION OF
WIRELESS RESOURCES OF PROXIMAL WIRELESS
UNITS TO FACILITATE DIVERSITY SIGNAL COMBINING

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Abstract Of The Disclosure

A group of independent wireless apparatus (106a-106n) in a wireless local area network are identified and coordinated (aggregated) using the short-range wireless area network (wireless LAN). Each wireless apparatus receives information from a wireless wide area network (wireless WAN) such as a conventional cellular system. The plurality of independent proximal wireless apparatus (106b-106n) receive the same information that is ultimately destined for one of the wireless apparatus in the proximal group in the wireless local area network. Each proximal wireless apparatus (106b-106n) that has received the same information from the wide area network then retransmits or forwards the same information to the destination wireless apparatus (106a). Accordingly, the plurality of wireless apparatus in the local area network receive the same information from a wide area network and forward it, using the short range wireless communication system, to a destination wireless apparatus in the local area network. The destination wireless apparatus (106a) optimally combines the information to improve its reliability of detection.